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Miller et al.(10) **Pub. No.: US 2021/0110055 A1**(43) **Pub. Date: Apr. 15, 2021**(54) **DATA DELETION FOR A MULTI-TENANT ENVIRONMENT**(71) Applicant: **Pure Storage, Inc.**, Mountain View, CA (US)(72) Inventors: **Andrew Miller**, Greenville, SC (US);  
**Reena Gupta**, Sunnyvale, CA (US)(21) Appl. No.: **16/601,329**(22) Filed: **Oct. 14, 2019****Publication Classification**(51) **Int. Cl.****G06F 21/62** (2006.01)**G06F 12/02** (2006.01)**H04L 9/08** (2006.01)(52) **U.S. Cl.**CPC ..... **G06F 21/6227** (2013.01); **G06F 12/0253** (2013.01); **G06F 2212/1052** (2013.01); **H04L****9/0894** (2013.01); **G06F 2212/1044** (2013.01);**H04L 9/0891** (2013.01)

(57)

**ABSTRACT**

A method of secure data deletion in a multitenant environment, performed by a storage system is provided. The method includes associating a key with a tenant, in the multitenant environment, as a result of the storage system receiving data from the tenant through a virtual local area network (VLAN) or from an Internet protocol (IP) address. The method includes storing the data, encrypted by the key, in the storage system, and determining that the key, as retained in the storage system, is to be deleted, so that the data is to be inaccessible in unencrypted form, responsive to a request from the tenant to delete the data.

